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DENON

PORTABLE CD PLAYER
DCP-100

Actual size

10089 Printed in Japan

The First Personal Portable CD Player Good Enough to Be a DENON

Since the introduction of the first personal portable players, music lovers have demonstrated, with ever increasing purchases, that they want to have music with them in every activity they pursue. They want to have high quality, high fidelity music, not just in the home listening room, but in the car, at picnics, on walks, at the beach, in airplanes, anywhere they go. But while the enthusiasm of music lovers for taking their music with them has rapidly grown, the capabilities of portable CD players have not kept pace.

When DENON decided to focus its vast digital experience on the task of designing a portable CD player, the goal was to design a portable that offers true home hi-fi system levels of performance, and the ability to play for extended lengths of time. The result is the DENON DCP-100. The DCP-100 offers the mobile music lover all the advantages of owning a genuine piece of DENON equipment. Because it's a DENON, the DCP-100 embodies the accumulated expertise of a company that first recorded music digitally and produced the world's first commercial studio PCM digital tape recorder; the company that brought the first digitally-mastered records to market; and was among the first to manufacture CDs and CD players. Since those early days, DENON continually has advanced CD player technology, improving the sonic performance of the CD medium — in award-winning digital recordings, in CD manufacturing, and in CD player design. The audio design of the DCP-100 draws heavily on the accomplishments of DENON's groundbreaking CD players — notable advances in the art of digital audio such as the fabled 1500 series of CD players, and the DCD-3520, the first player to offer the sonic benefits of true 20-bit precision. The industrial design of the DCP-100 breaks entirely new ground in the integration of aesthetics and functionality.

Applying its engineering expertise, DENON addressed the three areas that left users of portable CD players dissatisfied: reliability, sound quality, and playing time.

PORTABLE CD PLAYER

DCP-100

Superior Sonic quality

Drawing on its digital technology, DENON solved the sonic problems first, making sound quality the primary emphasis.
Reducing data reading errors is the first line of attack against poor sound, so the DCP-100 has a rugged, shock-mounted laser assembly/transport mechanism that dramatically reduces disc reading errors, especially under less than ideal playing conditions.
Next, DENON employed its digital technology to give the DCP-100 an 8× oversampling digital filter with noise shaping for low noise and high resolution.
The low-power CMOS VLSI circuitry not only significantly improves fidelity, it extends battery life as well.
Then, the DENON engineers gave the DCP-100 a separate high-linearity 16-bit Digital-to-Analog Converter (DAC) for each audio channel to reduce noise and distortion, and eliminate interchannel time delay distortion.

Rugged Construction

Having satisfied DENON's standards for superior audio quality, the DENON DCP-100 engineering team turned to issues of reliability and longevity. The same heavy-duty laser assembly/transport mechanism used to improve sonic performance now serves its second purpose — to add to the DCP-100's long life and dependability.
The DENON engineers then gave the DCP-100 a heavy-gauge Aluminum Diecast case protected by a textured polyurethane-rubber, called "VELVEX" like a soft suede surface, making it both strong and amazingly comfortable to handle.
The shape of the DCP-100 makes it a delight to use; its sturdy, solid construction, instills a sense of confidence and security, and contributes directly to its outstanding mechanical and sonic performance.

Double Playing time

Finally, DENON's engineers addressed the problem of insufficient playing time, First they reduced player power consumption to the absolute minimum. Then they gave the DCP-100 the capability of holding two rechargeable battery packs, for over four hours of playing time without recharging.
The DCP-100 can provide non-stop long-distance travellers with non-stop musical enjoyment.

The Beauty of Good Design

Ease of use
A portable player, more than any other, must be easy to use. The DCP-100's operating controls are grouped on the front and the top edge, where they fall immediately to hand in the player's most used positions: vertically in its soft case and laying on a seat, table or desk.

Information and control
Just as with a home player, you often want basic status information from a portable player. The DCP-100's large LCD display clearly provides such important information as operating mode, track number, and elapsed or remaining time. The DCP-100 offers a full set of operating controls for maximum versatility, including skip and scan modes.

Useful features
The DCP-100 offers such uncommon but useful features as program play of up to 32 selections. It provides for random play, in which the internal computer plays the track back in random order, making even familiar discs seem new. The random play capability extends to program play as well. And like a top-of-the-line DENON home player, the DCP-100 offers a full set of repeat modes.

Versatility
As you would expect from the premier portable player, the DCP-100 can be used anywhere, powered from its internal rechargeable batteries, the DC accessory power in a car, or from the AC power line in homes and offices. You can use headphones or you can connect the DCP-100 to a car, home or office system just like a true separate component.

Convenient battery charging
The DCP-100 charges the battery packs (one or both, when two are installed) when the unit is connected to the AC power line.
The LCD display shows "Charge" when the batteries are being charged.

A Full System

The DCP-100 comes complete with a soft carrying case, an AC adapter for use in homes or offices, one rechargeable battery pack and stereo connecting cords for use at home.

The DCP-100 can be expanded with options, too. You can purchase as many additional battery packs as you need, and there is an optional battery charging unit that lets you recharge a battery pack while you use the DCP-100 with either one or two battery packs. There is an optional power adaptor cord for use from a car's cigarette lighter jack, and there are optional connecting plugs and cords for use in car systems.

For the most important reasons — superior sound, high reliability, operating ease, full featured convenience and wide versatility — the DCP-100 is the finest portable CD player available; the only choice for the music lover who wants it all.

PORTABLE CD PLAYER

DCP-100

SPECIFICATIONS

Frequency response	20 Hz – 20 kHz
Signal to noise ratio	91 dB
Dynamic range	90 dB
Total harmonic distortion	0.008%
Digital filter	8 times
Number of D/A converters	2
Playing time	approx. 4 hours (accessory battery plus optional battery)
Functions	Play, Pause, Stop, Automatic-search forward, Automatic-search backward, Manual-search forward, Manual-search backward, Repeat one, Repeat all, Program, Program repeat, Random, Random repeat, Program random, Program random repeat
Number of programs	32 programs max.
Controls	Play (pause), stop, mode, set (time mode) Automatic-search forward (Manual search) Automatic-search backward (Manual search)
Display	LCD 6 digits and other functions (Track number, Elapsed time min, sec) (Remaining time) (Play, Pause, Repeat, Random, Program)
Output	Head phone (mini jack), Line out (mini jack)
Power source	Rechargeable battery or AC adapter
Dimensions	136 (W)×37.5 (H)×167 (D) mm
Weight	690 g (Including one rechargeable battery pack)
Accessory	AC adapter, Connecting cord, Soft case, Rechargeable battery

* Specifications are subject to change without notice.